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**AMENDMENTS TO THE CLAIMS** 

This listing of claims will replace all prior versions and listings of claims in the

application:

**LISTING OF CLAIMS:** 

1. (currently amended): An isolated protein having an endoglucanase activity, and

derived obtained from a microorganism belonging to genus Staphylotrichum.

2. (currently amended): The <u>isolated</u> protein according to claim 1, having

(A) an encoglucanase endogluconase activity, and

(B) the amino acid sequence of SEQ ID NO: 1 at the N-terminus thereof.

3. (currently amended): The <u>isolated</u> protein according to claim 2, having

(A) an encoglucanase activity,

(B) the amino acid sequence of SEQ ID NO: 1 at the N-terminus thereof, and

(C) an average molecular weight of 49 kD, determined by a sodium dodecyl sulfate-

polyacrylamide gel electrophoresis.

4. (currently amended): The isolated protein according to claim 2, having

(A) an encoglucanase activity,

(B) the amino acid sequence of SEQ ID NO: 1 at the N-terminus thereof, and

(C) an average molecular weight of 45 kD, determined by a sodium dodecyl sulfate-

polyacrylamide gel electrophoresis.

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5. (currently amended): The <u>isolated protein according to claim 1</u>, derived from <u>Staphylotrichum coccosporum</u>.

**6.** (currently amended): An isolated protein selected from the group consisting of:

(a) a protein comprising the amino acid sequence of SEQ ID NO: 3,

(b) a modified protein comprising an amino acid sequence in which 1 to 30 amino acids are deleted, substituted, inserted, or added in the amino acid sequence of SEQ ID NO: 3, and having an endoglucanase activity, and

(eb) a homologous protein comprising an amino acid sequence having at least an 85% homology identity with that of SEQ ID NO: 3, and having an endoglucanase activity.

7. (withdrawn and currently amended): A polynucleotide An isolated polynucleotide encoding the protein according to elaim 1 claim 6.

8. (withdrawn and currently amended): A polynucleotide An isolated polynucleotide selected from the group consisting of:

(i) a polynucleotide comprising the nucleotide sequence consisting of nucleotides 64-948 of SEQ ID NO: 2, and

(ii) a polynucleotide comprising a nucleotide sequence in which one or plural nucleotides are deleted, substituted, inserted, or added in the nucleotide sequence consisting of nucleotides 64-948 of SEO ID NO: 2, and encoding a protein having an endoglucanase activity, and

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(iii)(ii) a polynucleotide hybridizing under stringent conditions to a polynucleotide consisting of the nucleotide sequence consisting of nucleotides 64-948 of SEQ ID NO: 2, and encoding a protein having an endoglucanase activity.

- **9. (withdrawn):** An expression vector comprising the polynucleotide according to claim 7.
- **10. (withdrawn):** A host cell transformed with the expression vector according to claim 9.
- 11. (withdrawn): The host cell according to claim 10, wherein the host is a yeast or a filamentous fungus.
- 12. (withdrawn): The host cell according to claim 11, wherein the yeast is a microorganism belonging to genus Saccharomyces, Hansenula, or Pichia.
- 13. (withdrawn): The host cell according to claim 11, wherein the filamentous fungus is a microorganism belonging to genus <u>Humicola</u>, <u>Trichoderma</u>, <u>Staphylotrichum</u>, <u>Aspergillus</u>, <u>Fusarium</u>, or <u>Acremonium</u>.
- 14. (withdrawn): The host cell according to claim 13, the filamentous fungus is Humicola insolens or Trichoderma viride.

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15. (withdrawn and currently amended): A process for producing the protein

according to elaim 1claim 6, comprising the steps of:cultivating a host cell transformed with an

expression vector comprising a polynucleotide encoding the protein according to elaim 1 claim 6,

and

collecting the protein from the host cell or a culture obtained by the cultivation.

16. (currently amended): An isolated protein produced by the a process according to

claim 15 comprising:

cultivating a host cell transformed with an expression vector comprising a polynucleotide

encoding the protein according to claim 6; and

collecting the protein from the host cell or a culture obtained by the cultivation.

17. (previously presented): A cellulase preparation comprising the protein according

to claim 1.

18. (previously presented): A detergent composition comprising the protein

according to claim 1.

19. (withdrawn): A method of treating a cellulose-containing fabric, comprising the

step of bringing the cellulose-containing fabric into contact with the protein according to claim 1.

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**20. (withdrawn):** A method of reducing fuzzing of a cellulose-containing fabric or reducing a rate of the formation of fuzz, comprising the step of bringing the cellulose-containing fabric into contact with the protein according to claim 1.

- 21. (withdrawn): A method of reducing weight to improve the touch feel and appearance of a cellulose-containing fabric, comprising the step of bringing the cellulose-containing fabric into contact with the protein according to claim 1.
- **22. (withdrawn):** A method of color clarification of a colored cellulose-containing fabric, comprising the step of bringing the colored cellulose-containing fabric into contact with the protein according to claim 1.
- 23. (withdrawn): A method of providing a localized color change to a colored cellulose-containing fabric, comprising the step of bringing the colored cellulose-containing fabric into contact with the protein according to claim 1.
- **24.** (withdrawn): A method of reducing stiffness of a cellulose-containing fabric or reducing a rate of the formation of stiffness, comprising the step of bringing the cellulose-containing fabric into contact with the protein according to claim 1.
- **25. (withdrawn):** The method according to claim 19, wherein the treatment of the fabric is carried out by soaking, washing, or rinsing the fabric.

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**26.** (withdrawn): A method of deinking waste paper, comprising the step of treating the waste paper with the protein according to claim 1.

- **27. (withdrawn):** A method of improving a water freeness of paper pulp, comprising the step of treating the paper pulp with the protein according to claim 1.
- **28. (withdrawn):** A method of improving a digestibility of animal feed, comprising the step of treating a cellulose-containing fabric with the protein according to claim 1.